

Prior Art

FIG. 1
Johnson
740.305-US-01

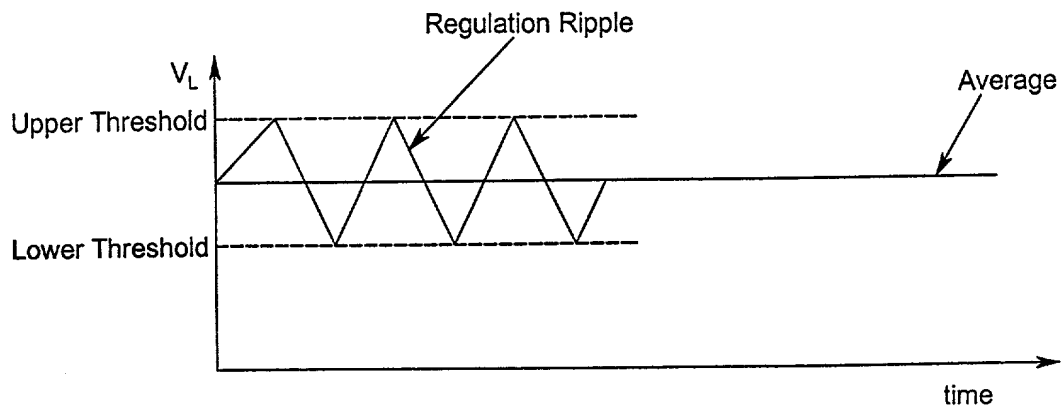


FIG. 2
Johnson
740.305-US-01

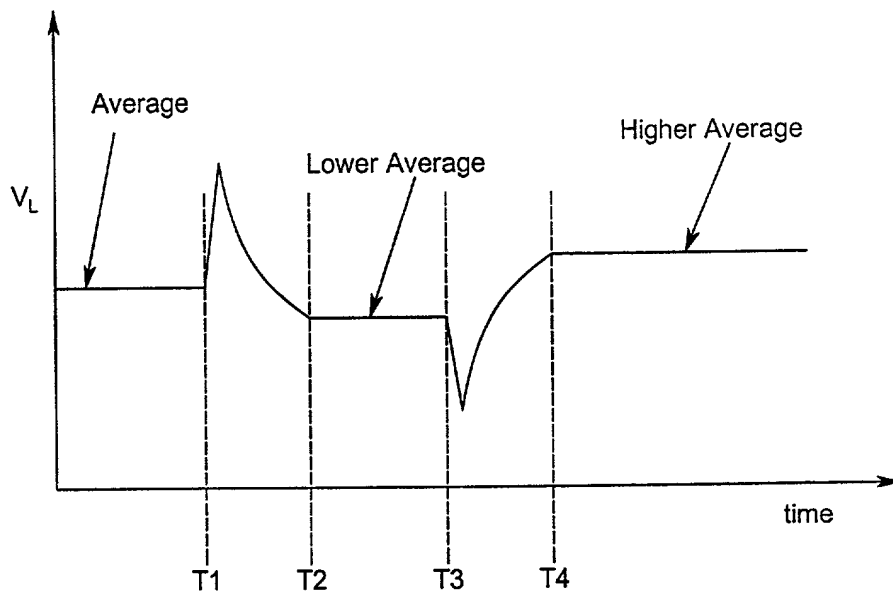
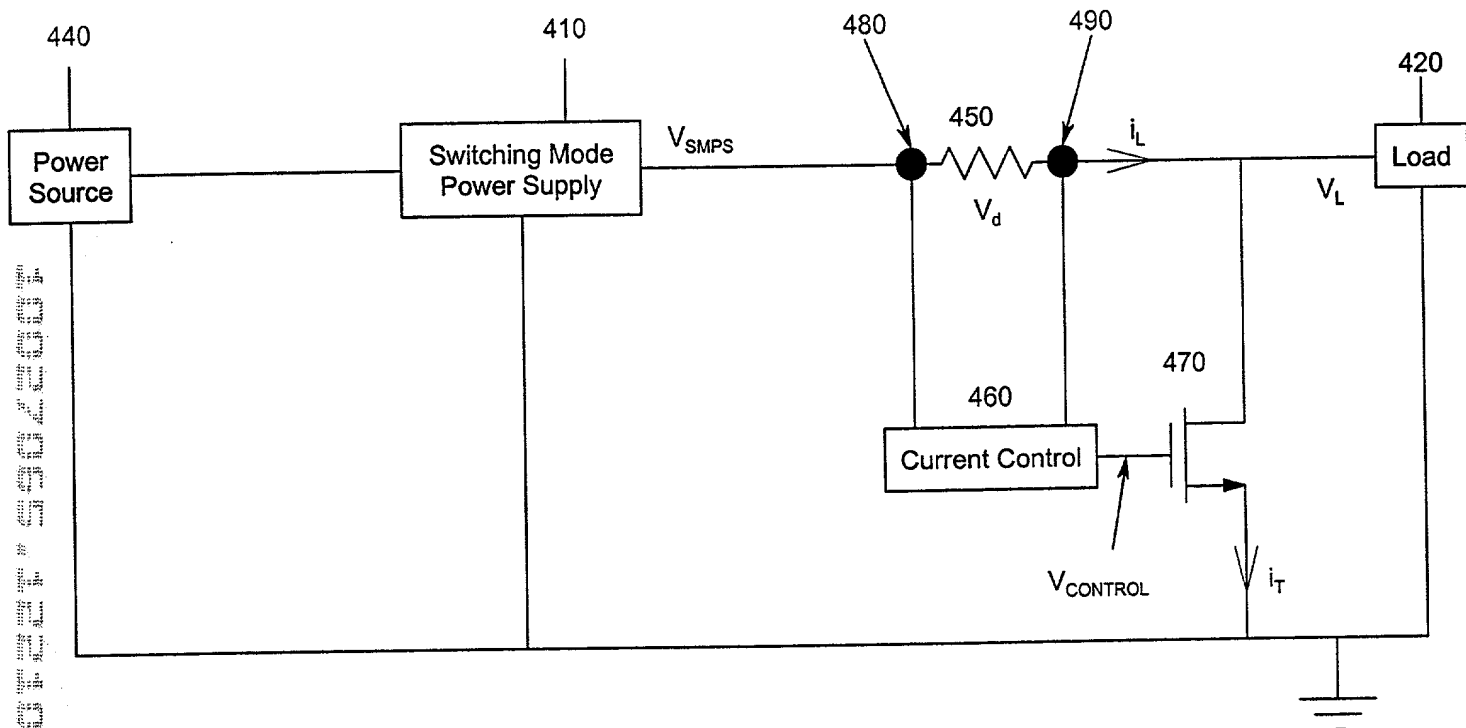


FIG. 3
Johnson
740.305-US-01



400

FIG. 4
Johnson
740.305-US-01

FIG. 5 is a block diagram of a current sensing circuit 500. The circuit 500 includes a switch-mode power supply (SMPS) 510, a resistor 520, a current control block 530, and a series of shunt resistors 540, 550, and 560. The SMPS 510 is connected to the resistor 520, which is in series with the shunt resistors. The current control block 530 is connected to the shunt resistors to sense the current. The shunt resistors are connected in series between the SMPS 510 and a load VL.

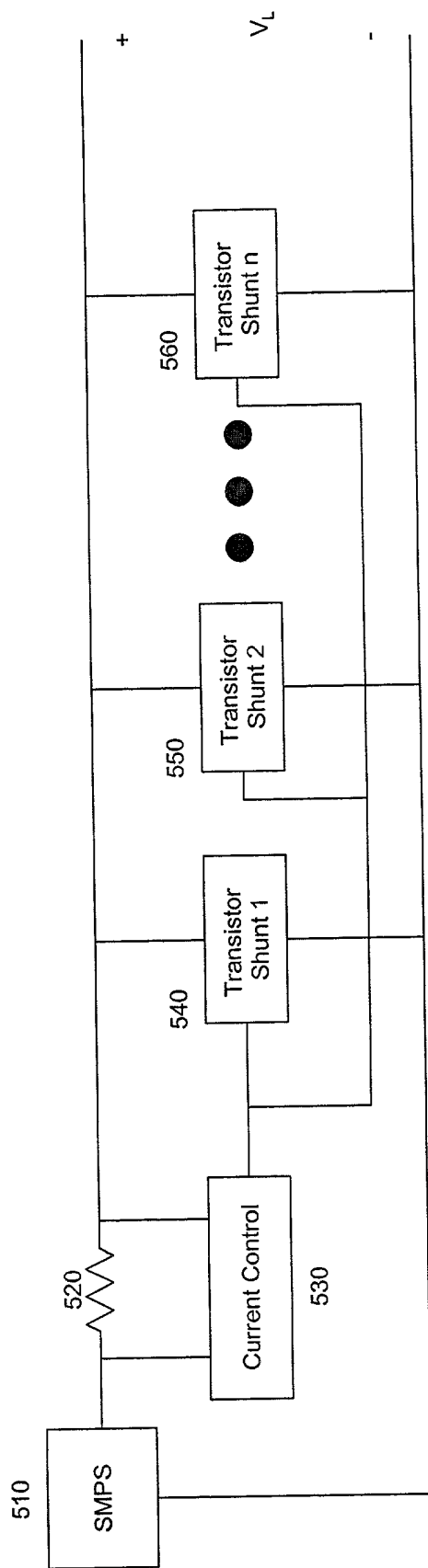
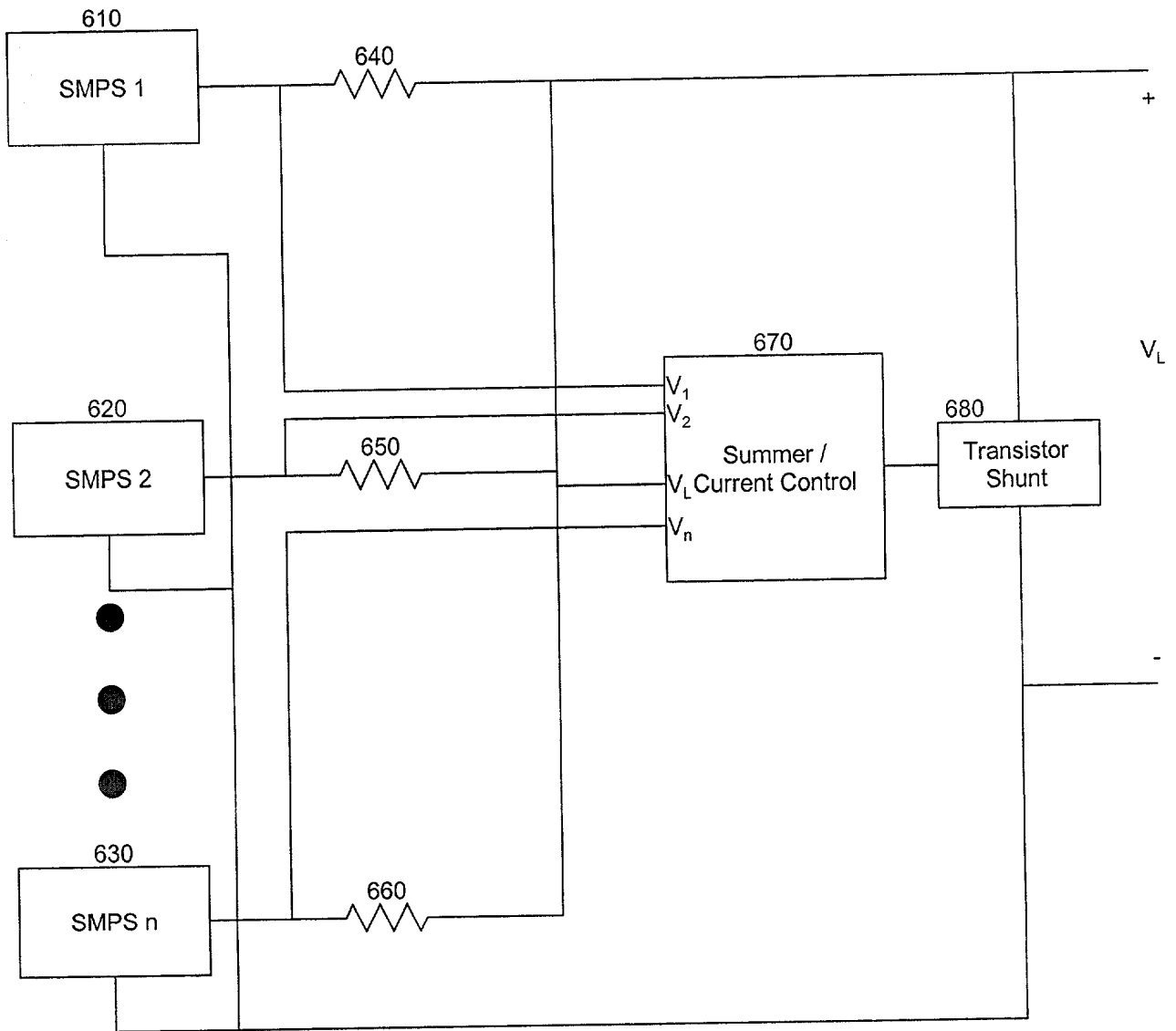


FIG. 5
Johnson
740.305-US-01

500



600 ↗

FIG. 6
Johnson
740.305-US-01

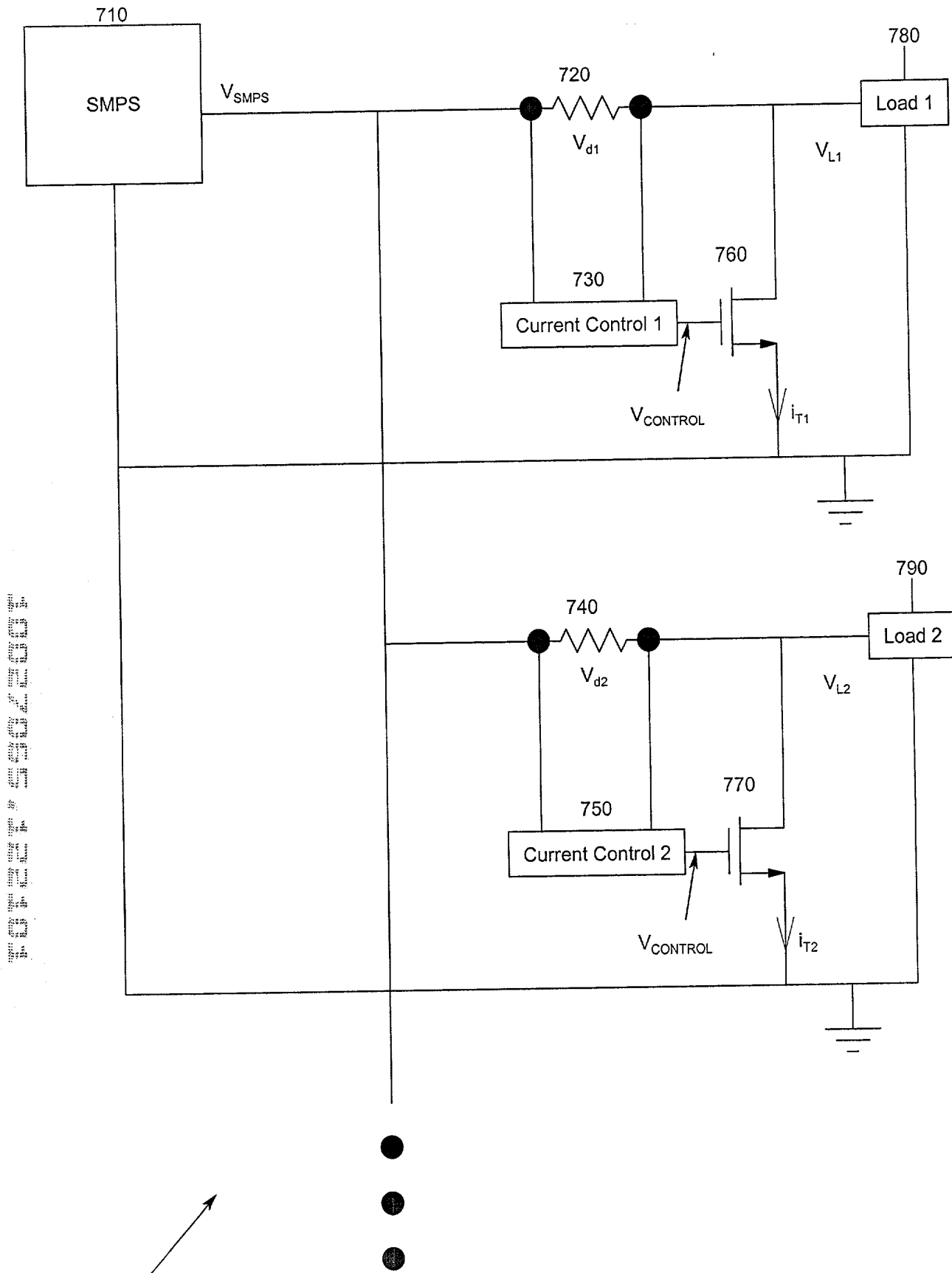


FIG. 7
Johnson
740.305-US-01

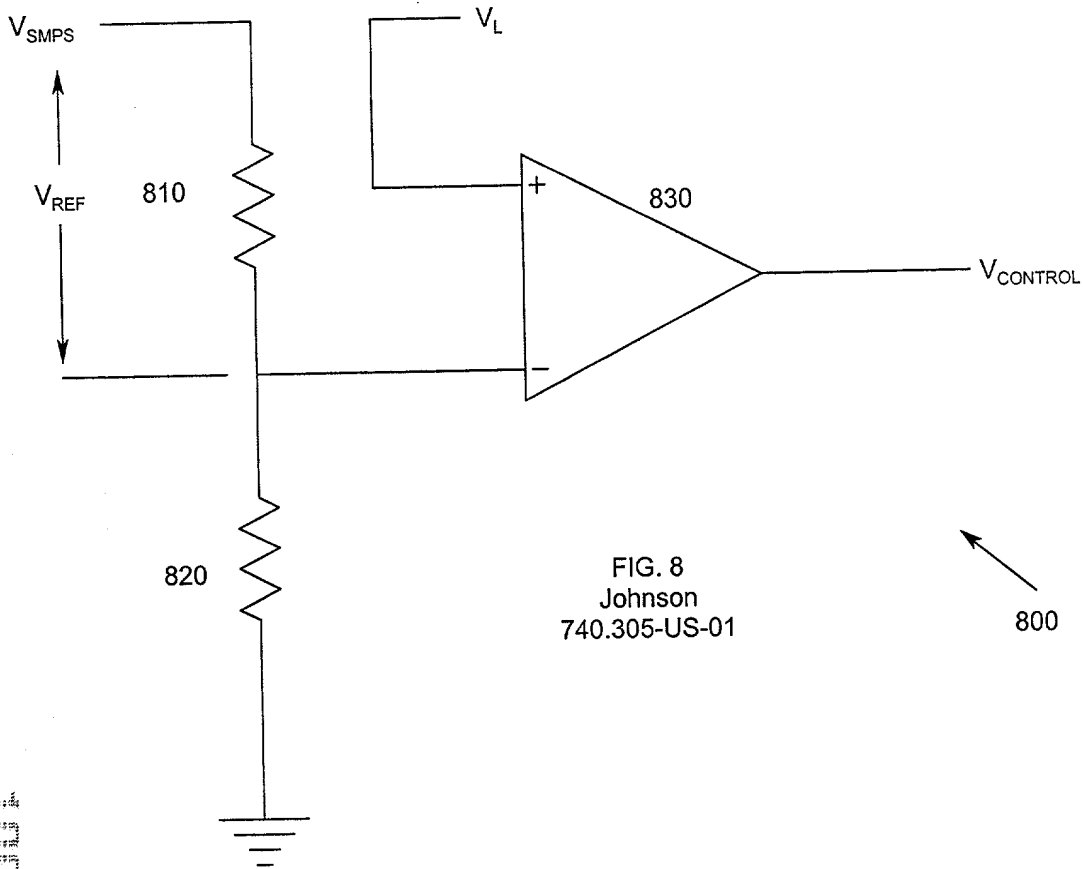


FIG. 8
Johnson
740.305-US-01

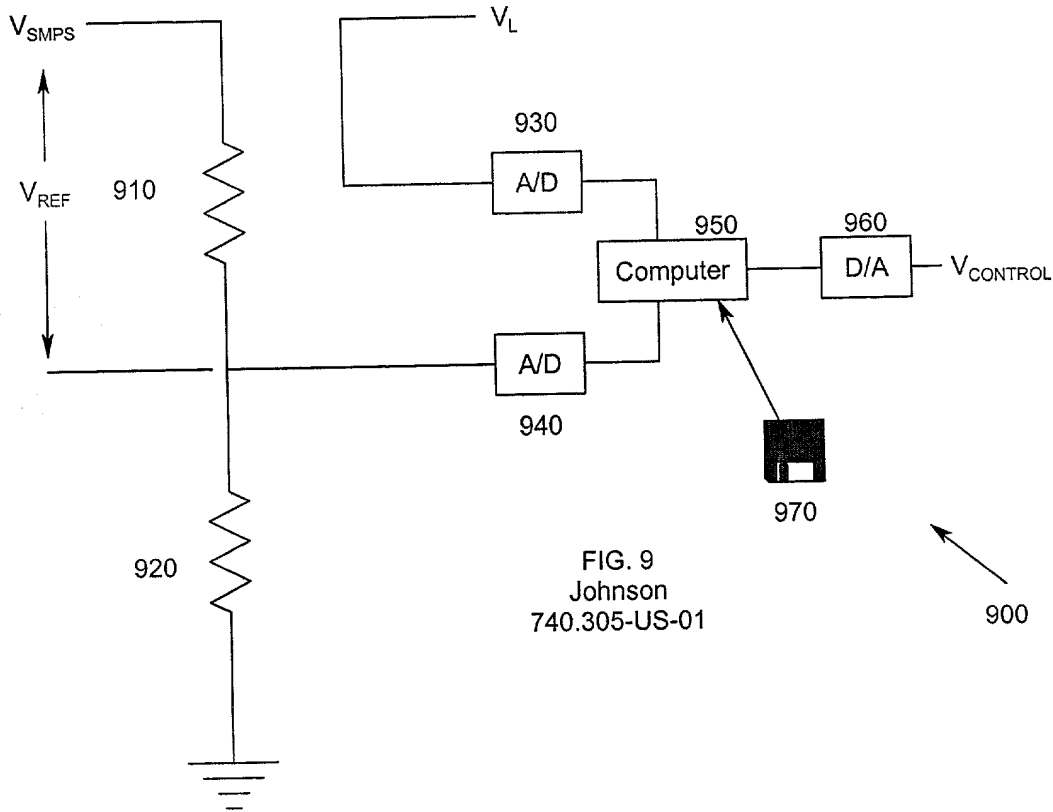


FIG. 9
Johnson
740.305-US-01